

Michael Link

From: Scott Raborn <raborn@lgl.com>
Sent: Friday, July 16, 2021 6:20 AM
To: Michael Link
Cc: Scott Raborn
Subject: PMTF Catch Update #35, July 15, 2021 FINAL UPDATE
Attachments: PMTF Catch Update #35 July 15 2021.pdf; PortMollerTF_RawData - July 15 2021.pdf

Hi Everyone,

Attached is our final test fishing update for 2021 with the outer stations from yesterday included.

Summary of yesterday's catch indices as follows:

Index by Station

S6: 21
S8: 13
S10: 8
S12: 0
S14: 0
S16: 11
S18: 28
S20: 0

Scott and Michael

Acknowledgements

Thank you all for your questions, comments, and suggestions throughout the season. As you know, the Port Moller Test Fishery is dependent on many individuals. This year was no different. Despite a season of bad weather, our huge team executed a very good season, including a very successful test of doing the genotyping at sea. Here is the cast of characters. Thank you all.

R/V *Ocean Cat*, Robert Maw, owner and skipper, Adam Maw (first mate); Lydia Robison, Josh Robison (Deckhands).

R/V *Pandalus*, Butch Gagne, skipper; David Anderson, first mate/engineer, Riley Moser, deckhand.

BBSRI Fisheries Technicians, Anna Poole, Hayden Ulbrich, Nicole Bartlett, Jeff Regnart, and Lydia Robison

Port Moller Shore Support: Trevor Milich, Mark Cline, Manuel Dacuycuy, Brenda Lanphere, Peter Pan Seafoods.

Stock Composition Estimates, Gene Conservation Laboratory, ADF&G

Tyler Dann (Lead), Heather Hoyt (Lab Manager), Jodi Estrada (at-sea genotyping), Zach Pechacek (in lab genotyping), and project support staff: Tela Barkley, Erica Chenoweth, Tanya Johnson, Zac Grauvogel, Erin Dooley, Judy Berger, and Eric Lardizabal.

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Stacy Vega and Diana Merlino, ADF&G King Salmon, scale aging, age comp summaries.

Keggie Tubbs, BBSRI, Administration, finance, and logistics.

Dima Pokidov, Lake Clark Air, flight scheduling/shipping logistics.

Project gillnets: Vikki Garrouette-Simpson, LFS, Kenai.

BBSRI Project Management, Data Analysis, Daily Email/Text Updates. Michael Link, Scott Raborn, Jeff Regnart, Bryan Nass.

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From: Scott Raborn <raborn@lgl.com>
Sent: Thursday, July 15, 2021 4:44 PM
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Tonight's update. Today will be the last day of fishing for the season. So far, the *Ocean Cat* has fished Stations 6-14, but will continue fishing to Station ~18 or better before calling it a day. We will revise this update tomorrow morning with catches from the outer stations.

Index by Station

S6: 21
S8: 13
S10: 8
S12: 0
S14: 0

Scott and Michael

Port Moller Test Fishery: Catch Update #35, 15 July 2021.

 All updates sent by email are also posted online at www.bbsri.org

Date	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)												Mean Daily Catch Index		Raw catches		Mean Length (mm)	
	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	Best for comparison w/ prev years	Best for assessing entry pattern this year	4½" mesh	5½" mesh	4½" mesh	5½" mesh	
												(Stns 2-10)	(Stns 2-22)					
10-Jun	2	3	6	8	8	6	4	2	2	1	1	5	4					
11-Jun	0	4	4	17	12	8	5	3	2	1	1	7	5	9	3	509	475	
12-Jun	0	6	0	28	18	8	6	3	2	2	1	10	7	13	8	480	499	
13-Jun	9	2	58	55	21	0	10	3	7	4	2	29	16	68	22	482	498	
14-Jun	3	4	4	2	148	2	0	0	6	0	5	32	16	69	27	478	525	
15-Jun	3	8	20	94	52	4	0	0	0	0	0	35	16	21	53	479	495	
16-Jun	0	0	0	0	117	62	20	13	10	7	4	23	21	34	65	474	514	
17-Jun	2	10	0	64	154	0	77	32	24	15	6	46	35	127	103	491	503	
18-Jun	19	0	21	58	50	63	41	21	37	36	10	30	32	83	94	493	515	
19-Jun	7	5	41	5	389	173	50	33	26	2	2	90	67	296	153	489	498	
20-Jun	0	0	104	252	201	86	21	8	34	0	4	111	65	216	149	479	498	
21-Jun	0	7	52	3	21	2	45	13	93	38	28	16	27	76	79	499	520	
22-Jun	0	26	89	94	112	76	160	120	69	110	6	64	78	222	169	488	515	
23-Jun	9	18	40	85	135	147	124	98	70	41	20	57	72					
24-Jun	10	20	42	86	138	156	138	108	76	45	23	59	77					
25-Jun	2	0	18	19	96	146	84	183	114	48	25	27	67	190	154	492	518	
26-Jun	70	4	27	23	106	168	31	148	242	0	0	46	74	262	108	500	523	
27-Jun	0	0	2	192	393	148	53	222	45	52	28	117	103	333	378	498	511	
28-Jun	18	9	37	186	30	19	89	36	144	30	0	56	54	146	133	504	516	
29-Jun	10	23	49	90	461	335	52	62	53	54	28	127	111	407	208	498	509	
30-Jun	9	22	49	91	124	120	96	74	56	40	27	59	64					
1-Jul	8	21	48	90	116	107	81	62	48	36	25	57	58					
2-Jul	0	28	4	272	69	37	41	0	0	13	24	75	44	97	105	492	515	
3-Jul	22	7	15	129	120	0	0	23	67	34	4	59	38	53	97	503	523	
4-Jul	0	4	0	130	202	16	10	112	38	55	37	67	55	148	80	503	527	
5-Jul	6	16	42	83	101	79	7	10	75	0	19	49	40	10	21	524	531	
6-Jul	5	15	40	83	102	78	49	33	26	22	18	49	43					
7-Jul	5	14	40	163	60	159	34	55	0	21	17	56	52	111	103	501	521	
8-Jul	3	0	0	284	67	45	39	32	38	24	16	71	50	148	82	500	521	
9-Jul	5	13	39	82	96	67	39	25	20	18	15	47	38					
10-Jul	5	13	0	25	114	27	14	25	14	4	14	31	23	54	26	508	524	
11-Jul	5	1	0	404	135	38	16	29	18	10	12	109	61	137	126	497	521	
12-Jul	5	12	32	142	45	12	39	0	13	12	11	47	29	53	37	490	522	
13-Jul	4	11	25	81	16	19	8	13	11	11	10	27	19	31	29	494	530	
14-Jul	8	0	30	60	78	11	14	10	9	9	8	35	22	44	24	506	517	
15-Jul	4	9	21	13	8	0	0	11	28	0	7	11	9	12	19	491	526	
Mean Stn Index	7	9	28	97	114	67	42	45	42	22	13			Total =	3470 (57%)	2655 (43%)	494	514

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

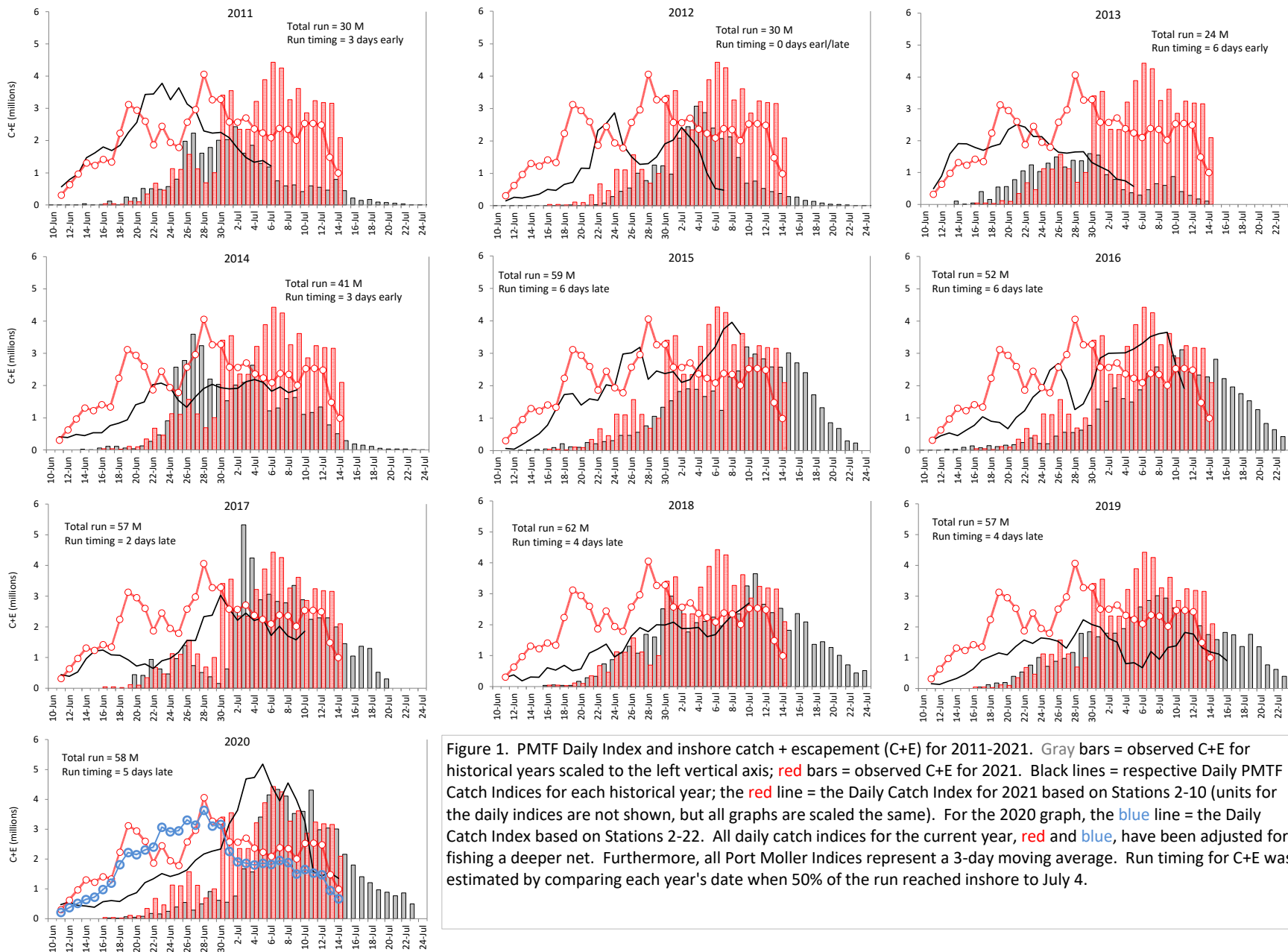


Figure 1. PMTF Daily Index and inshore catch + escapement (C+E) for 2011-2021. Gray bars = observed C+E for historical years scaled to the left vertical axis; red bars = observed C+E for 2021. Black lines = respective Daily PMTF Catch Indices for each historical year; the red line = the Daily Catch Index for 2021 based on Stations 2-10 (units for the daily indices are not shown, but all graphs are scaled the same). For the 2020 graph, the blue line = the Daily Catch Index based on Stations 2-22. All daily catch indices for the current year, red and blue, have been adjusted for fishing a deeper net. Furthermore, all Port Moller Indices represent a 3-day moving average. Run timing for C+E was estimated by comparing each year's date when 50% of the run reached inshore to July 4.

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